

## Queries to the Author

Chapter Number: 3

Chapter Title: Overview of Non-*Apis* Bees

Query	Description	Author's Response	Formatted Table
1.	<p>Section: INTRODUCTION</p> <p><b>Author:</b> The following citations have been changed as per the reference list. Please check. "Torchio, 1973" to "Torchio, 1983"; "Peach et al., 1994" to "Peach et al., 1995".</p>	Ok	
2.	<p>Section: References</p> <p><b>Author:</b> According to the general style, the references "Pitts-Singer, Theresa. December 9, 2011", "<u>Kasina, Muo. October 5, 2011.</u>", "<u>Krischik, Vera. 2011.</u>" have been removed from the reference list since they are personal communication.</p>	Ok	
3.	<p>Section: References</p> <p><b>Author:</b> Please provide in-text citations for the following references</p> <ul style="list-style-type: none"> <li>Abbott et al., 2008 (<u>Orig usage in Chap 3 introduction and tables. Reference removed from intro and table reference moved to Table 8-4 in chap 8.</u>)</li> <li>Babendreier et al., 2004 (<u>Orig usage in several chapters, including Chap 3, subheading "Larvel Food Sources". This reference removed from all use in the manuscript. Why?</u>)</li> <li>Beekman and Ratnieks, 2000 (<u>Orig</u></li> </ul>	<p>Elements included in the Reference that are not included in text may be deleted from Reference</p> <p><u>Abbott et al.; context of the reference was in relation to an opinion about</u> <b>Commented [MV1]:</b> Reworked the text to move away from opinion.</p> <p><u>Referenced in Chap 7 in Exposure; Chap 8 -- Table on Test Methods for non-Apis; and Chap. 10 in discussion of higher tier testing with non-Apis.</u></p> <p><u>Babendreier et al.; this reference/in relevant to Chap 7. In final version of Chap. 7 the direct ref. to 5% and Babendreier et al. was removed, but the text (p. 74, under sec. "Exposure at immature stages of non-Apis species") includes the information about exposure thru pollen.</u> <b>Commented [MV2]:</b> Moved to chap 7</p>	

<p>usage in introduction to Chap 3.</p> <ul style="list-style-type: none"> <li>• Gels et al., 2002 (Orig included in introduction to chap 3 (miscited as Gels 2008 in orig manuscript) and table. Removed from Chap 3 intro and table moved to chap 10.)</li> <li>• George and Rinker, 1982 (orig in Table 1 in Chap 3. Now moved to Table 10-5).</li> <li>• Gradish et al., 2011a (orig in Table 1 in Chap 3. Now moved to Table 10-5).</li> <li>* Gradish et al., 2011b (orig in Table 1 in Chap 3. Now moved to Table 10-5).</li> <li>*-----</li> <li>* Gradish et al., 2010 (orig in Table 1 in Chap 3. Now moved to Table 10-5. Be sure to move reference).</li> <li>*-----</li> <li>• Greenleaf et al., 2007 (Orig usage in "Sixw" section of non-apls chapter. Reference moved to non-apls section in exposure chapter)</li> <li>• Hogdson et al., 2011 (not cited in original chapter submitted)</li> <li>• Huntzinger et al., 2008 (orig cited in Table 1 and 2 on Chap 3. Now in Table 8-2 and 10-5. Be sure to move reference)</li> <li>• Johansen and Mayer, 1990 (Orig cited twice in Chap 3, section on</li> </ul>	<p>Gels et al.: didn't find it in orig. draft manuscript.</p> <p>Points about nesting material is contained in Chap. 7, p. 74.</p> <p>Points about foraging time and exposure are in Chap. 7, p. 75 and again in Chap 13 p. 276 for Risk Mitigation</p>
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<p>uncertainties in current test designs. One reference moved to Chap 7 (exposure), but Nesting Material reference eliminated.</p> <ul style="list-style-type: none"> <li>• Johansen et al., 1984 (Orig cited in Chap 3 Table 1. Now in Table 10-5. Be sure to move reference.</li> <li>• Kim et al., 2006 (orig cited twice in Chap 3 sections on nesting and distance between nesting and crops. Now in Chap 7 and Chap 13. )</li> <li>• Konrad et al., 2008 (orig in section on “larval food sources”, in table 1, and in section on “immature stages”. Also was included in table in Chap ?? Refinement Options. Now, only referenced in Table 10-5.</li> <li>• Krischik, 2011 (personal communication. Removed from reference list)</li> <li>• Ladurner et al., 2005 (orig in Table 1 and Table 2 in Chap 3. Now in table 8-2).</li> <li>• Ladurner et al., 2008 (orig in Introduction and Table 1. Now gone from Chap 3.)</li> <li>• Laurent and Rathahao, 2003 (orig in section on larval contact with pollen stores. Now gone altogether).</li> <li>• Mayer et al., 1998 (orig in Tables 1 and</li> </ul>	<p>Kondar et al.: Yes, orig. in Chap 3, and in Chap 7, under Immature Stages...the point being made in the two places and therefore redundant. It remains in Chap 7</p> <p>I will check with SETAC/Wiley to see if it should be put back in.</p> <p>Ladurner et al.: This section was removed, it seemed to be (i) a policy recommendation that was out of place; and, (ii) surpurfluous to put a second party recommendation in the proceedings from a conference of international experts meeting on this very subject.</p> <p>Laurent and Rathahao, 2003: this reference should be added to Chap. 7, sec. “Exposure at immature stages of non-Apis species” p. 74-75 to where this information (regarding “direct contact with the pollen”) was moved.</p>
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<p>2. Now in Tables 8-2 and 10-5. Be sure to move reference).</p> <ul style="list-style-type: none"> <li>• Mayer and Lunden, 1999 (orig in Table 1. Now in Table 10-5.</li> <li>• Morandin et al., 2005 (orig in Table 1. Now in Table 10-5. Be sure to move reference)</li> <li>• OEDC (Organization for Economic Co-operation and Development), 1998 (Not cited in original manuscript. Remove)</li> <li>• Pereboom, 2000 (orig in section on larval food sources. Now in Exposure chapter. Need to review)</li> <li>• Quezada Euán, 2009 (orig in Table 2. Now in Table 3-1. NEED TO CORRECT IN TEXT REFERENCE from "Quezada Euan &amp; José Javier 2009" to "Quezada Euán 2009". Jose Javier is his first name.</li> <li>• Riedl et al., 2006 (orig cited in "foraging time and duration" section of chap 3. Looks like text moved to exposure chapter.</li> <li>• <a href="http://extension.oregonstate.edu/catalog/pnw/pnw591.pdf">http://extension.oregonstate.edu/catalog/pnw/pnw591.pdf</a> THIS WEBSITE IS FOR THE RIEDL ET AL REFERENCE ABOVE</li> <li>• Sampson et al., 2007</li> <li>• Shuler et al., 2005</li> </ul>	<p>Quezada Euan, 2009: ok, in Table 3-1, in the cell for <i>Melipona beecheii</i>, the last ref. will be changed from: "Quezada Euán &amp; José Javier 2009" to "Quezada Euán 2009"</p> <p>Sampson et al., 2007: moved to Chap. 7, sec. "Foraging Time and Mating"</p> <p>Shuler et al. 2005: moved to Chap. 7 and Chap. 13. In Chap. 7, see sec. "Nesting sites and nesting materials for non-<i>Apis</i> species" ... the reference in Chap. 7 is not as specific as in the original Chap 3 (i.e., identifying squash bees in pumpkin and squash fields). Citation is verbatim in Chap. 13, in sec. "Suggested Techniques to Mitigate Risks to Other Species of Bees"</p> <p>Tasei, 2002: not found in original (Commented [MV3]: It is in there. Looks good.</p> <p>Tasei et al. 1988: originally in Table 1., now in Table 8-2. (need to 2x check ref.)</p> <p>Tasei et al. 2001 is now in Table 10 -5, p. 228</p> <p>Tew, 1997: remains in the references and needs to be moved to the references of</p>
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<ul style="list-style-type: none"> <li>• Taséi, 2002</li> <li>• Taséi et al., 1988</li> <li>• Taséi et al., 2001</li> <li>• Tew, 1997</li> <li>• Thompson, 2001</li> <li>• Tuell and Isaacs, 2010</li> <li>• Vaissière et al., 1985</li> <li>• Valdovinos-Núñez et al., 2009</li> <li>• van der Steen, 1994</li> <li>• van der Steen et al., 2008</li> <li>• Waller, 1969</li> <li>• Winston, 1987</li> </ul>	<p><u>Chapter 7, the citation, slightly modified is now in Chap. 7 ... p. 75.</u></p> <p><u>Thompson, 2001: This reference needs to be included in Chap. 8, section entitled “Adult Toxicity Testing with non-<i>Apis</i> Bees” .... The second sentence of that section begins with, “Data currently available suggest... taken into account.” ... please replace that sentence with the following text:</u></p> <p><u>“Lower tier toxicity tests (e.g. acute toxicity tests conducted in the laboratory) are somewhat limited, but comparative toxicities between <i>A. mellifera</i> and <i>Bombus</i> spp. have been reviewed by several authors (Thompson 2001, van der Steen et al. 2008). Comparison has been made both on a dose per bee level and a dose per gram of bee (factoring in the larger size of the bumble bee). The broad conclusions are that there is no consistent correlation between the toxicity for <i>Apis</i> and <i>Bombus</i> workers, but the general trends suggest that the toxicity to bumble bees is less on a per bee basis and similar on a per gram of bee basis.”</u></p> <p><u>The rest of that following sentence in that section begins with “This conclusion is based on analysis ...” this sentence and the rest of that paragraph should remain as is. Please include the following reference to Chap. 8 to accompany this new citation in this chapter, <i>Thompson HM, Hunt LV. 1999. Extrapolating from honeybees to bumblebees in pesticide risk assessment. Ecotoxicology. 8:147–166.</i></u></p> <p><u>Tuell and Isaacs, 2010: this citation can be inserted at the end of the second sentence of the section entitled “Conclusions” of Chap. 3.</u></p>
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Commented [MV4]: Taken care of!!

Vaissière et al., 1985: I cannot locate

reference in the old doc., please remove.

**Commented [MV5]:** Was included as a reference about mellisodes species nesting below cotton plants. Now in chap 7.

Valdovinos-Núñez et al., 2009:

This reference, along with the others in the sentence that discusses recommendations for specific non-A testing will be reworded... once it has, the appropriate citations should be included in the text and in the reference section.

Mace and I will revise this text to be included in Chap. 3:

Original text to be revised:

“They have recommended that testing include at least one solitary managed species, such as the wood-nesting alfalfa leafcutting bees (*Megachile rotundata*) or the blue orchard bees (*Osmia lignaria*) (Abbott et al. 2008, Ladurner et al. 2008), and one managed social non-*Apis* bee, such as bumble bees (e.g., *Bombus impatiens* or *B. terrestris*) in temperate climates (Thompson and Hunt 1999) and/or the highly social stingless bees (e.g., *Melipona* spp. or *Trigona* spp.) in the tropics (Valdovinos-Núñez et al. 2009).”

van der Steen, 1994: This citation is now

	<p><u>in Chap. 7. p. 76, please move this reference into chap. 7.</u></p> <p><u>van der Steen et al., 2008:</u></p> <p><u>This citation will now be included in Chap. 8 (see the text above in relation to the citation/reference for Thompson 2001.) .... Please include this “van der Steen et. al., 2008 reference among those for Chap. 8.</u></p> <p><u>Waller, 1969: this citation is now in Chap. 7. The reference to this citation currently exists among those for Chap. 7, therefore, this reference can be deleted from those references for Chap. 3.</u></p> <p><u>Winston, 1987:</u></p> <p><u>This citation is now in Chap. 7, please move the reference for this citation into the references for chapter 7.</u></p>
<p>4. Section: References</p> <p><b>Author:</b> Please provide the volume/issue number for “Gradish AE, Scott-Dupree CD, Cutler GC. 2011a” if published.</p>	<p>Please change this reference to:</p> <p>Gradish AE, Scott-Dupree CD, Cutler GC., Journal of Pest Science; March 2012 Vol. 85 Issue 1, p. 133</p>
<p>6. Section: References</p> <p><b>Author:</b> Author: The pp for the reference “Tasei JN. 2002” has been changed from “pp. 101–131, 332 pp” to “pp. 101–131, 332 pp”. Please check.</p>	<p>ok</p>

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